

Name : _____

Solving the Equations

L2S1

Solve.

1) $n! + 96 = 5!$

2) $\frac{2}{(n^2)!} = \frac{1}{12}$

3) $\frac{n(n+1)!}{(n-1)!}$

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5) $(4! + 3!) (3$

$! = (4n + 3)!$

$! = 8$

Solving the Equations

Solve.

1) $n! + 96 = 5!$

2) $\frac{2}{(n^2)!} = \frac{1}{12}$

$n = 4$

3) $\frac{n(n+1)!}{(n-1)!}$

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$! = (4n + 3)!$

$n = 5$

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5) $(4! + 3!) (3$

$! = 8$

$n = 10$

$n = 8$